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AkzoNobel

Tomorrow's Answers Today

April 9, 2013

US EPA Office of Pollution Prevention and Toxics
Attn: Section 8(e)
1201 Constitution Avenue, NW
Washington, DC 20004



Subject: TSCA 8(e) Notice

On behalf of Akzo Nobel Polymer Chemicals LLC, we are submitting preliminary results from an OECD 414 Pre-natal Developmental study on di-tert-butyl 3,3,5-trimethylcyclohexylidene dioxepoxide CAS# 6731-36-8. The study was sponsored by Akzo Nobel Polymer Chemicals bv.

The test item was administered by gavage to four groups each of twenty-four time mated Sprague-Dawley Crl:CD® (SD) IGS BR strain rats, between Days 5 and 19 of gestation inclusive at dose levels 30, 100, 300, and 1000 mg/kg bw/day. A further group of twenty-four time mated females was exposed to the vehicle only (Dried Corn oil) to serve as a control.

Twenty-one females treated with 1000 mg/kg bw/day, seventeen females treated with 300 mg/kg bw/day and three females treated with 100 mg/kg bw/day had an enlarged liver at necropsy. One of the females treated with 1000 mg/kg bw/day also had discoloration on the right lobe of the liver.

Females from all treatment groups showed an increase in liver weight both absolute and relative to terminal body weight.

The following treatment related microscopic effects were detected:

Increased incidence of centrilobular hepatocellular hypertrophy was evident in females treated with 1000 mg/kg bw/day.

Please contact me if you have any questions at 312-544-7061

Sincerely,

Louette J. Rausch, M.S.
Expertise Leader Regulatory Affairs Americas
HSE Department
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525 West Van Buren Street

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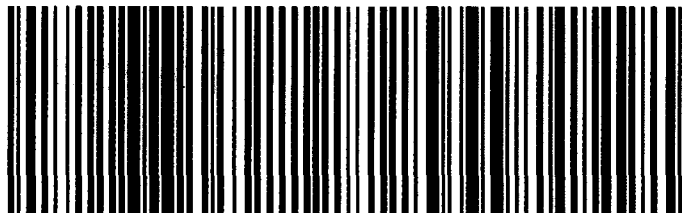
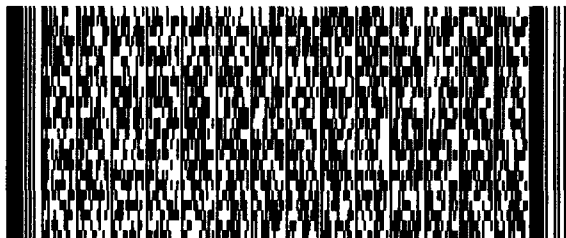
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